# Constraint components

## Constraint component group: target size

### Constraint component: targetCount

Example:

<targetSize msg="No XSD folder found" count="1"/>

Result properties:

|  |  |
| --- | --- |
| **Property name** | **Meaning or value** |
| filePath | File path of the resource in whose context the target is selected |
| constraintComponent | constraint component name („targetCount“) |
| constraintID | constraint ID |
| resourceShapeID | ID of the resource shape declaring this constraint |
| count | the expected number of target resources |
| actCount | the actual number of target resources |
| targetContextPath | File path of the resource in whose context the target is selected |
| targetPath | The relative file path selecting the target, evaluated in the context of the targetContextPath |
| targetFoxpath | The foxpath expression selecting the target, evaluated in the context of the targetContextPath |

### Constraint component: targetMinCount

Example:

<targetSize msg="No XSD folder found" minCount="1"/>

Result properties:

|  |  |
| --- | --- |
| **Property name** | **Meaning or value** |
| filePath | File path of the resource in whose context the target is selected |
| constraintComponent | constraint component name („targetMinCount“) |
| constraintID | constraint ID |
| resourceShapeID | ID of the resource shape declaring this constraint |
| minCount | the minimum number of target resources |
| actCount | the actual number of target resources |
| targetContextPath | File path of the resource in whose context the target is selected |
| targetPath | The relative file path selecting the target, evaluated in the context of the targetContextPath |
| targetFoxpath | The foxpath expression selecting the target, evaluated in the context of the targetContextPath |

### Constraint component: targetMaxCount

Example:

<targetSize msg="More than one XSD folder found" maxCount="1"/>

Result properties:

…

## Constraint component group: folder content

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### Constraint component: folderContentClosed

Example:

<folderContent msg="Niem folder with unexpected content." closed="true">  
 <memberFolders names="csv, jsonld-context, niem"/>  
 <memberFiles names="distribution.txt, README.md"/>  
 <memberFile name="\*change\*"/>  
</folderContent>

Result properties:

|  |  |
| --- | --- |
| **Property name (path)** | **Meaning or value** |
| filePath | File path of the folder validated |
| constraintComponent | Constraint component name („folderContentClosed“) |
| constraintID | Constraint ID |
| resourceShapeID | ID of the resource shape declaring this constraint |
| resourceName  (resources/resource/@name) | Name of an unexpected resource |
| resourceKind  (resources/resource/@kind) | Kind of an unexpected resource (file or folder) |